10+4 185571
SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800 Rev. 1/26/2006 This is an experimental format Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.
Date 47706 Serial # 10/848734 Priority Application Date 4730/01
Your Name Examiner #
AU 2502 Phone 571-272-1838 Room 5430
In what format would you like your results? Paper is the default. RAPER DISK EMAIL
If submitting more than one search request form, please prioritize the searches in order of need.
Where have you searched so far on this case? Circle: USPT DWPI EPO Abs JPO Abs IBM TDB Other:
What relevant art have you found so far? Please attach citations or Information Disclosure Statements.
What types of references would you like? Please checkmark: Primary Refs Nonpatent Literature Teaching Refs Secondary Refs Foreign Patents Other
Is this a "Fast & Focused Search" request? (Circle One) YES NO
A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic
and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm
and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPI Web Page of
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. Emily Seaff Use Only Type of Search Vendors
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. **Example 19
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. **Example 19
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. Entirely See Tare Search Structures only Type of Search Vendors Start Use Only Type of Search Structure (*) Structure (*) Dialog Dialog
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. Compared to the concepts of the concepts of the strategies of the str
What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. The structure of the stru

21apr06 10:04:31 User291227 Session D35.7

File 342:Derwent Patents Citation Indx 1978-05/200621

- 8 CT=US 6096570
- 0 CT=JP 2000011859
- S1 8 CT=(US 6096570 OR JP 2000011859)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 6 PN=US 6648710 + PN=US 6741016 + PN=US 6753544 + PN=US 6758711 + PN=US 6882100 + PN=US 6902458 + PN=US 6911768 + PN=WO 2002103738 + PN=WO 2002103740 + PN=WO 200289168
 - 13 S1:S4
- S1 13 Serial: SD128

Reconnected in file OS 21apr06 10:12:32

File 342:Derwent Patents Citation Indx 1978-05/200621

- 1 CT=EP 532019
- 11 CT=US 5760417
- 0 CT=JP 5074329
- 0 CT=JP 5074332
- 1 CT=EP 532019
- 0 CT=DE 69223707
- S2 12 CT=(EP 532019 OR US 5760417 OR JP 5074329 OR JP 5074332 OR EP 532019 OR DE 69223707)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 10 PN=US 6835947 + PN=US 6841794 + PN=US 6852554 + PN=US 6882100 + PN=US 6902458 + PN=US 6911768 + PN=US 6933517 + PN=WO 200289168 + PN=WO 200365425 + PN=WO 200373480 + PN=WO 200390243 + PN=WO 9806135
 - 16 S1:S5
- S1 16 Serial: SD129

21apr06 10:29:42 User291227 Session D35.15

File 342:Derwent Patents Citation Indx 1978-05/200621

- 6 CT=EP 1003195
- 0 CT=CN 1254173
- 6 CT=EP 1003195
- 0 CT=JP 3112456
- 6 CT=JP 2001155622
- 0 CT=KR 2000035507
- 0 CT=SG 86360
- 1 CT=TW 436837
- 11 CT=US 6285118
- S2 20 CT=(EP 1003195 OR CN 1254173 OR EP 1003195 OR JP 3112456 OR JP 2001155622 OR KR 2000035507 OR SG 86360 OR TW 436837 OR US 6285118)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 10 PN=US 6784621 + PN=US 6791248 + PN=US 6794805 + PN=US 6815315 + PN=US 6815875 + PN=US 6844664 + PN=US 6852554 + PN=US 6902458 + PN=US 6939728 + PN=US 6940087 + PN=WO 200013197 + PN=WO 200289166 + PN=WO 200289168 + PN=WO 200373480
 - 1 PN=WO 200377320
 - 1 PN=WO 200396401
 - 2 PN=WO 200377320 + PN=WO 200396401
- S1 59 S1:S12
- S2 8 S1 AND EMITTER? ?

21apr06 10:34:23 User291227 Session D35.18

File 342:Derwent Patents Citation Indx 1978-05/200621

- 8 CT=EP 1094485
- 1 CT=JP 2001210224
- 0 CT=CN 1293441
- 8 CT=EP 1094485
- 1 CT=JP 2001283717
- 0 CT=SG 90185
- 0 CT=TW 473758
- S1 8 CT=(EP 1094485 OR JP 2001210224 OR CN 1293441 OR EP 1094485 OR JP 2001283717 OR SG 90185 OR TW 473758)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200625

(c) 2006 Thomson Derwent

- 6 PN=US 6558968 + PN=US 6707061 + PN=US 6753544 + PN=US 6844664 + PN=US 6902458 + PN=WO 200235572 + PN=WO 200289166 + PN=WO 200289168 + PN=WO 200315117 + PN=WO 200461891
- 24 S1:S5
- S1 24 S1:S5
- S2 10 S1 AND EMITTER? ?

21apr06 10:42:21 User291227 Session D35.21

File 342:Derwent Patents Citation Indx 1978-05/200621

- 10 CT=US 6204597
- 0 CT=WO 200046834
- 0 CT=TW 436844
- 0 CT=EP 1153409
- 0 CT=JP 2002536802
- S1 10 CT=(US 6204597 OR WO 200046834 OR TW 436844 OR EP 1153409 OR JP 2002536802)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 9 PN=US 2004161929 + PN=US 2005059313 + PN=US 6445125 + PN=US 6580211 + PN=US 6624589 + PN=US 6848962 + PN=US 6853126 + PN=US 6858990 + PN=US 6933664 + PN=US 6948995 + PN=US 6984535 + PN=WO 200167481 + PN=WO 200459713 + PN=WO 200520266
 - 1 PN=WO 200520267
 - 17 S1:S5
- S1 17 Serial: SD133
- S2 5 S1 AND EMITTER? ?

21apr06 10:44:31 User291227 Session D35.23

File 342:Derwent Patents Citation Indx 1978-05/200621

- 0 CT=CN 1128461
- 2 CT=WO 9949492
- 0 CT=AU 9928582
- 0 CT=KR 99077954
- 0 CT=CN 1301396
- 0 CT=KR 284539
- 0 CT=JP 2002517061
- 2 CT=US 6727642
- S1 4 CT=(CN 1128461 OR WO 9949492 OR AU 9928582 OR KR 99077954 OR CN 1301396 OR KR 284539 OR JP 2002517061 OR US 6727642)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 3 PN=US 6972512 + PN=WO 200108192 + PN=WO 200108193
 - 5 S1:S2
- S1 5 Serial: SD134

21apr06 10:45:56 User291227 Session D35.25

File 342:Derwent Patents Citation Indx 1978-05/200621

- 7 CT=EP 1028458
- 1 CT=JP 2000208508
- 0 CT=KR 2000052627
- 0 CT=TW 440970
- 10 CT=US 6544875
- S1 18 CT=(EP 1028458 OR JP 2000208508 OR KR 2000052627 OR TW 440970 OR US 6544875)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 6 PN=WO 200259956 + PN=WO 200282554 + PN=WO 200301605 + PN=WO 200303471 + PN=WO 200490966 + PN=WO 200593126
 - 26 S1:S6
- S1 26 Serial: SD135
- S2 1 S1 AND EMITTER? ?

21apr06 10:47:44 User291227 Session D35.27

File 342:Derwent Patents Citation Indx 1978-05/200621

- 2 CT=WO 9417546
- 7 CT=EP 681311
- 2 CT=JP 8510588
- 0 CT=RU 2089004
- 1 CT=RU 2097869
- 9 CT=US 5965971
- 5 CT=US 6023126
- 7 CT=EP 681311
- 0 CT=DE 69331709
- 0 CT=KR 307384
- S1 19 CT=(WO 9417546 OR EP 681311 OR JP 8510588 OR RU 2089004 OR RU 2097869 OR US 5965971 OR US 6023126 OR EP 681311 OR DE 69331709 OR KR 307384)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 10 PN=US 6762541 + PN=US 6794814 + PN=WO 200286931 + PN=WO 200286934 + PN=WO 9417546 + PN=WO 9613848 + PN=WO 9636061 + PN=WO 9638854 + PN=WO 9825287 + PN=WO 9949492
 - 28 S1:S6
- S1 28 Serial: SD136
- S2 14 S1 AND EMITTER? ?

21apr06 10:49:35 User291227 Session D35.29

File 342:Derwent Patents Citation Indx 1978-05/200621

- 1 CT=US 6607930
- 0 CT=WO 200131671
- 0 CT=AU 200113475
- 0 CT=US 20020146853
- S1 1 CT=(US 6607930 OR WO 200131671 OR AU 200113475 OR US 20020146853)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 1 PN=US 2002173083 + PN=US 6706566
- S1 1 Serial: SD137

21apr06 10:52:09 User291227 Session D35.31

File 342:Derwent Patents Citation Indx 1978-05/200621

- 5 CT=EP 545621
- 0 CT=DE 69204629
- 5 CT=EP 545621
- 0 CT=JP 05242794
- 18 CT=US 5430347
- S1 23 CT=(EP 545621 OR DE 69204629 OR EP 545621 OR JP 05242794 OR US 5430347)

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

- (c) 2006 Thomson Derwent
 - 10 PN=US 6255768 + PN=US 6297587 + PN=US 6373176 + PN=US 6429596 + PN=US 6471838 + PN=US 6515407 + PN=US 6522053 + PN=US 6683414 + PN=WO 200046834 + PN=WO 200106531 + PN=WO 200150491 + PN=WO 9428571 + PN=WO 9624152
- S1 40 S1:S8
- S2 16 S1 AND EMITTER? ?

21apr06 14:10:29 User291227 Session D36.1

SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2006/ 200616

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*File 348: For important information about IPCR/8 and forthcoming

changes to the IC= index, see HELP NEWSIPCR.

File 349:PCT FULLTEXT 1979-2006/UB=20060420,UT=20060413

(c) 2006 WIPO/Univentio

*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

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Set
        Items
                Description
S1
        45234
                EMITTER? ?
                EMITTING () SIDE? ? OR EMITTING () SURFACE? ?
S2
        3164
                CATHODE? ?
S3
       71796
S4
      1694170
                LAYER???? OR DISPOS????? OR COAT???? OR FINISH????
S5
      968604
                CHAMBER? ? OR SPACE OR CAVIT????? OR OPENING? ?
S6
      1707607
                INTERFAC???? OR CONNECT???? OR FORMED OR JOINT? ? OR JOIN???
                FASTEN???? OR ARRANG????? OR PLACED OR PLACING OR PLACEMENT? ?
S7
      1290247
S8
       677743
                PARALLEL OR EQUIDISTAN???? OR EQUALLY () DISTAN???? OR DISTANCE (2N)
                  APART
                SIDEWALL? ? OR WALL? ? OR SIDE? ?
S9
      1184581
                HEIGHT? ? OR WIDTH? ? OR DIMENSION? ? OR SIZE? ? OR DISTANCE? ?
S10
      1305022
      1343238
                AREA? ? OR LENGTH? ? OR RATIO OR RATIOS OR TRAPEZOID????
S11
S14
       300777
                SLANTING OR SLOP???? OR DIAGONAL??? OR INCLIN???? OR DECLIN????
S15
      597342
                SMALLER OR SHORTER
S16
      1289208
                LARGER OR DIVERG???? OR BIGGER OR GREATER OR LONGER OR TALLER OR HIGHER
                  OR WIDER
S17
           73
                S3 (2N) S4 AND (S1 OR S2)
S18
           18
                S17 AND S5
       210057
                HOLLOW? OR TUNNEL?
S19
                S17 AND S19
S20
           18
S21
            6
                S20 NOT S18
S22
            6
                S17 (6N) S9
S26
       273390
                (S5 OR S19)
S28
       393499
                S10 OR S11
S29
       335190
                FIRST OR SECOND OR 1ST OR 2ND
S30
       167945
                PAIR? ? OR ANOTHER
S31
       464477
                S29 OR S30
S32
       783172
              S6 OR S7
S33
       42819
                S26 (4N) S32
       464477
                S29 OR S30
S34
S36
         4403
                S33 (5N) S34
S37
                S36 AND S1
           11
        62774
S38
                S14 OR S15
S39
       174082
                S38 OR S16
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SYSTEM:OS - DIALOG OneSearch
File 348:EUROPEAN PATENTS 1978-2006/ 200616
(c) 2006 European Patent Office
*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.
File 349:PCT FULLTEXT 1979-2006/UB=20060420,UT=20060413
(c) 2006 WIPO/Univentio

*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

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                (CHAMBER? ? OR SPACE OR CAVIT????? OR OPENING? ?)/TI,AB,CM
S4
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                (INTERFAC???? OR CONNECT???? OR FORMED OR JOINT? ? OR JOIN???)/TI,AB,CM
S5
      1113443
S6
      635548
                (FASTEN???? OR ARRANG????? OR PLACED OR PLACING OR PLACEMENT? ?)/TI,AB,CM
S7
      1328019
                S5 OR S6
S8
       583562
                (SIDEWALL? ? OR WALL? ? OR SIDE? ?)/TI,AB,CM
S9
       88064
                (HOLLOW? OR TUNNEL?)/TI,AB,CM
S10
       527291
                S9 OR S4
       542024
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S11
                  /TI,AB,CM
S12
       586636
                (AREA? ? OR LENGTH? ? OR RATIO OR RATIOS OR TRAPEZOID????)/TI,AB,CM
S13
       907203
                S11 OR S12
       116517
S14
                (SMALLER OR SHORTER) / TI, AB, CM
S15
       412215
                (LARGER OR DIVERG???? OR BIGGER OR GREATER OR LONGER OR TALLER OR HIGHER
                  OR WIDER) / TI, AB, CM
                (SLANTING OR SLOP???? OR DIAGONAL??? OR INCLIN???? OR DECLIN????)
S16
       101690
                  /TI,AB,CM
S17
      1082748
                (FIRST OR SECOND OR 1ST OR 2ND OR PAIR OR ANOTHER) / TI, AB, CM
S19
       527291
                S4 OR S9
S20
           98
                S2 (3N) S8 AND S1
$21
           25
                S20 AND S19
S22
         1624
                S1 AND S2
                S22 AND S19
S23
          347
S24
       465811
                S14 OR S15
S25
       534745
                S24 OR S16
S26
       906924
                S25 OR S12
S27
       113669
                S17 (3N) S26
S28
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                S27 AND S23
S29
           34
                S28 AND PY<=2001
S30
       278003
                S17 (3N) S7
        19827
                S30 (5N)S19
S31
S32
          134
                S31 AND S1
S33
           10
                S31 (8N) S1
S34
      1124101
                S25 OR S13
       149330
S35
                S34 (3N) S17
S36
           67
                S35 AND S23
S37
           46
                S36 AND PY<=2001
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